# HARSH SAVALIYA

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# PROFESSIONAL SUMMARY

* Around **10 Years** of strong software experience in design, **development** and **deployment** of web-based and Client-Server business applications using **OOP, Java/J2EE** technologies in various domains.
* Experience with **Angular JS**, **JQuery**, **JavaScript**, **VBScript**, **Perl**, **AJAX, Adobe Flex,** **ActionScript**, **JSON**, **HTML, DHTML, CSS, Tiles, Tag Libraries.**
* Expertise in client scripting language and serve scripting languages like **JavaScript**, **JQuery**, **JSON**, **Bootstrap**, Node.js, **AngularJS**, Backbone.js.
* Experience in developing client-side, **server-side/middle-tier** components applying **Java/J2EE** design patterns and **frameworks**: Servlets, JSF, Struts, Spring, Web Services, EJB, JMS, MQ Services, Hibernate, iBatis, JDBC, JPA, Log4j, Portals, GWT, JSP, Custom Tag Library, POJO's, JSTL, AJAX, JSON, JavaScript, XML, UML, Log4J and Junit.
* Proficient applying design patterns like **MVC, Singleton, Session Facade, Factory, Abstract Factory, Service Locator, Visitor, Observer, Decorator, Front Controller** and **Data Access Object**.
* Proficient on implementation of frameworks like **Struts, spring, JSF, AJAX frameworks (Rich Faces, My Faces) and ORM frameworks like Hibernate.**
* Transaction implementation (CMP, BMP, Message-Driven Beans), JMS, Struts, Spring, Swing, Hibernate, Java Beans, JDBC, XML, Web Services, JNDI, Multithreading etc.
* Extensive experience in designing **MongoDB** multi-shared cluster and monitoring with **MMS.**
* Experienced in using PERL to read and write data from/to **Excel, Sql Server** and **MySql.**
* Experience on developing cross platform server side applications using **Node.js** **BackBone.js** and **Angular.js**.to achieve scalability in real-time **web applications**.
* Automate report generation in **MongoDB** using **JavaScript, shell scripting, java.**
* Experience in Web Service Technologies**: SOAP, WSDL, UDDI, Apache Axis, CXF, IBM JAX-WS.**
* Experience in architecting and implementing Enterprise Application Integration (EAI) projects with Service Oriented Architecture (SOA), Web Services Integrations, BPM, BPEL and ESB using WebSphere Process Server, ESB, WebSphere Integration Developer, Data Power and WSRR.
* Expertise in XML technologies -XSL, XSLT, XML schemas, XPath, XForms, XSL- FO and parsers like SAX, DOM.
* Expertise in developing SOA (Service Oriented Architecture), REST and J2EE Web Services based on SOAP, WSDL, UDDI, JAX-WS, JAXB, JAX-RPC using tools like Apache Axis.
* Strong experience with MongoDB development (reports, schema design, map reduce functions) and migrations from SQL relational databases.
* Proven experience with Application Servers like IBMWebSphere8.x/7.x/6.x/5.x/, Oracle/BEA WebLogic 8.x, 10.x JBoss, Drools BRMS and Tomcat 5.x,6.x,7.x
* Experience in writing Queries, Stored Procedures, Triggers, Cursors, Functions and Packages using TOAD.
* Experience with major relational databases - Oracle 9i, 10g, SQL Server, DB2, and My SQL.
* Extensive development experience in different IDE's like Eclipse 3.x, Aptana Studio, Jbuilder 9.x/8.x, WSAD 5.x, IBM RAD and AltovaXMLSpy.
* Experienced in Implementing the application's using J2EE design patterns like Singleton,DAO (Data Access Object),RDBMS.
* Expertise in design with Use Case, Sequence diagrams, Activity diagrams, Class diagrams with exposure to UML, tools like Rational Rose and use of Rational Unified Process (RUP).
* Expertise in the implementation of Core concepts of Java, J2EE Technologies: JSP, Servlets, JSF, JSTL, EJB
* Experience with creating and workflows and Mappings, running jobs in Informatica 9.5/ETL.
* Knowledge on Grid Controls, Pie Charts and other Swing Components.
* Experience in software configuration management using CVS, SVN and IBM Clear Case.
* Hands in experience with build tools like ANT, Maven and logging tools like Log4J.
* Expertise in testing with Junit using tools like JMeter.

# SKILL-SET

**Languages:**Java7/8, C#, J2EE, J2SE, Scala, xml

**Web Technologies:**SERVLETS, JSP, JavaBeans, Java Servlet API

**J2EE Technologies:**JSP, Servlet, Spring Microservies, spring 2.x/3.x, Struts/Struts 2, Hibernate 3.x, Expression Language, JPA, JDBC, Java Mail, EJB, JMS, AMQP, Apache Camel, Oauth1/2.

**Application/Web servers:**Apache Tomcat, IBM WebSphere, Jetty, Jenkins, WebSphere MQ

**Databases:**Oracle, SQL server, MySQL, DB2,

**Internet Technologies:**HTML5, JavaScript, CSS3, jQuery, Angular JS, Bootstrap, NodeJS

**Cloud Environments:**AWS, Netflix Eureka, Kubernetes.

**IDE:**Eclipse, NetBeans, IntelliJ, Spring Tool Suite (STS)

**Message Queues:**JMS, Active MQ, Rabbit MQ, Kafka

**Operating system:**Window, Linux Mint, UNIX

**Defect tracking Tools:**JUNIT, JIRA, Bugzilla.

**Reporting Tools:**Jasper Reports, Crystal Reports XI, SSRS

**Methodologies:**Agile, waterfall, TDD (Test-Driven-Development), Scrum

**Developer IDE Platforms:**Eclipse, Edit plus, Notepad ++, TEXT PAD, Net Beans, IntelliJ, Spring Tool Suite (STS), GITHUB

**Build Tools:**Ant, Maven, Gradle

**Web Services:**SOAP, REST

# PROFESSIONAL EXPERIENCE

**Norfolk Southern Railway Compan y Jan 2023 – Feb 2024**

**Java Full Stack Senior Developer**

#### **Responsibilities**

* Followed agile methodology and involved in daily SCRUM meetings, sprint planning, showcases and retrospective and used JIRA as a tracking tool for the sprints.
* Closely worked with Kafka Admin team to set up Kafka cluster setup on the QA and Production environments.
* Have knowledge on Kibana and Elastic search to identify the Kafka message failure scenarios.
* Implemented to reprocess the failure messages in Kafka using offset id.
* Used and implemented the application using Spring MVC, Spring IOC, Spring Annotations modules and Hibernate.
* Used a Microservices architecture, with Spring Boot-based services interacting through a combination of REST and Spring Boot.
* Developed application using Spring MVC- Implemented Various Controllers, used spring's component-scan and auto wiring functionalities.
* Configured Queues and Topics as part of application integration and defined Camel routing between queues/topics.
* Performed Data mapping, logical data modeling, created class diagrams and ER diagrams and used SQL queries to filter data.
* Designed the front-end screens using AngularJS, HTML5, CSS3, JavaScript, JQuery, Bootstrap and Spring Boot.
* Developed Grid's used in the system using Slickgrid and created custom grid directive to make the component reusable.
* Developed Angular services making use of resource service to perform REST API calls to the backend.
* Developed unit test cases using Jasmine and Karma and performed end to end tesing using Protractor and Selenium
* Developed REST controllers using Spring Data REST to serve the UI with required JSON data.
* Developed REST exception handling controller advices to respond to bad requests and server side exceptions.
* Created docker images and ran the docker containers in various environments.
* Used complete annotation driven approach to develop the application using Spring Boot and was also involved in setting up the spring bean profiling.
* Consumed SOAP/ JAX-WS based web services using Springframework and used SOAP UI for testing these services.
* Made the integration of data in several applications in favor JSON documents with dynamic schemas using MongoDB (NOSQL) database.
* Created various MongoDB collections and wrote services to store and retrieve user data from for the application on devices and used Mongoose API in order to access the MongoDB from NodeJS.
* Used GIT as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used Maven as build and configuration tool and Jenkins for continuous integration tool.
* Involved in configuration and usage of Apache Log4J for logging and debugging purposes. Used RAD as IDE tool to develop the application.
* Prepared Documentation for Unit Test Plan and Unit Test Results for the QA purpose. Participated in the release night shakeouts/overnight deliveries and QA Support.
* Used Veracode for application security scanning and remediated the flaws that were identified in the code.
* Took part in setting up the application with Jenkins and AWS and is involved in builds and deployments to Tomcat server.

**Environment:** JDK 1.8, Core java, J2EE, Spring 3.0 MVC, Spring Boot, Spring MVC, Kafka, MongoDB, Rest API’s,Hibernate 4.0, Apache CXF, JQuery 1.10, JQueryUI, AJAX, UML, JDBC, Mongo DB, MS Visio, JSTL, Oracle 11g, WebLogic 10.1, Eclipse 4.2, Junit, Log4j, Maven 3.1, AWS, NodeJS, AngularJS, HTML5, CSS3, Toad, Maven, Hudson, NodeJS, TcpMon, Sun Jersey, Junit 4.1, JIRA, Rally, Freemarker, Apache POI, Quartz Scheduler, Drools BRMS, JPA Selenium, GIT.

**BNY MELLON, NYC JUN 2018 – Jan 2023**

**Java Full Stack Developer**

#### **Responsibilities**

* Implemented REST Microservices using spring boot. Generated Metrics with method level granularity and Persistence using Spring AOP and Spring Actuator.
* Work to develop and implement business rules using the Drools rule engine to involves understanding business requirements and translating them into executable rules using Drools' rule language (DRL).
* Implemented Kafka producer and consumer applications on Kafka cluster setup with help of Zookeeper.
* Used Spring Kafka API calls to process the messages smoothly on Kafka Cluster setup.
* Work to capture the sequence of activities, decisions, and interactions that comprise a business process using BPMN elements such as tasks, gateways, events, and connectors.
* Work to analyzed and identify bottlenecks, inefficiencies, or opportunities for improvement within business processes.
* Responsible for conducting such analyses and proposing optimizations to enhance BPMN practitioners process efficiency and effectiveness.
* Implemented Service layer using Spring IOC and Annotations and Controllers using Spring MVC.
* Work to enables DMN the modeling of decision logic using decision tables, decision trees, and other constructs.
* Work to manage project dependencies, including libraries and external components required for building and running the application. And responsible for Maven practitioners declaring, resolving, and managing dependencies effectively.
* Designed and Developed UI for Customer Service Modules and Reports using Angular1.5, HTML5, CSS3, Bootstrap3, JavaScript and JQuery.
* Involed in securing API proxies using various mechanisms like API key, Spring OAuth, LDAP, content protection policies in Apigee Edge.
* Developed application using Spring MVC- Implemented Various Controllers, used spring's component-scan and auto wiring functionalities.
* Configured Queues and Topics as part of application integration and defined Camel routing between queues/topics.
* Mainly responsible for developing Restful API using spring framework. Developed different controllers that return the response both in JSON and XML based on the request type.
* Used Spring Core Annotations for Dependency Injection Spring DI and Spring MVC for REST API s and Spring Boot for micro-services and Used JDBC interfaces to perform CRUD operations on database.
* Development to expose User Profile Services to other departments users using Restful Web Services.
* Used various Angular UI Bootstrap components such as calendars, masks, uploaders, sliders, alerts, modal dialogs etc. for developing the UI.
* Took part in setting up the routing configuration using Angular UI router for various views and sub views.
* Configured Gulp to perform various UI build and test related tasks and used NodeJS NPM and Bower to manage the dependencies.
* Consumed SOAP/ JAX-WS based web services using Springframework and used SOAP UI for testing these services.
* Used REST Client and POSTMAN to test the rest based services and used Junit and Mockito to test the middleware services.
* Worked with Middleware using Message driven by POJO (MDP) after creating QCF, Queue on WebSphere server, and using JMS template for asynchronous functionality for multiple users.
* Used Hibernate in the persistence layer and implemented DAO's to access data from database.
* Used Node.js to run Grunt tasks and build properly the project (compile, minify, concat etc.) and Implement modules into Node JS to integrate with designs and requirements. Used GruntJS, BowerJS, Express from NodeJS.
* Involved in enhancing existing MEAN (MongoDB, Express, Angular and Node) stack applications and provided the required support.
* Build REST web service by building Node.js Server in the back-end to handle requests sent from the front end jQuery Ajax calls.
* Made the integration of data in several applications in favor JSON documents with dynamic schemas using MongoDB (NOSQL) database.
* Created various MongoDB collections and wrote services to store and retrieve user data from for the application on devices and used Mongoose API in order to access the MongoDB from NodeJS.
* Used GIT as version control system, to keep track of all the work & all changes, allowing several developers to collaborate and used Maven as build and configuration tool and Jenkins for continuous integration tool.
* Involved in configuration and usage of Apache Log4J for logging and debugging purposes. Used RAD as IDE tool to develop the application.
* Prepared Documentation for Unit Test Plan and Unit Test Results for the QA purpose. Participated in the release night shakeouts/overnight deliveries and QA Support.
* Used Veracode for application security scanning and remediated the flaws that were identified in the code.
* Took part in setting up the application with Jenkins and AWS and is involved in builds and deployments to Tomcat server.

#### **Environment:** JDK 1.7, Core java, J2EE, Spring 3.0 MVC, Spring Boot, Spring MVC, Kafka, MongoDB, Rest API’s,Hibernate 4.0, Apache CXF, JQuery 1.10, JQueryUI, AJAX, UML, JDBC, Mongo DB, MS Visio, JSTL, Oracle 11g, WebLogic 10.1, Eclipse 4.2, Junit, Log4j, Maven 3.1, AWS, NodeJS, AngularJS, HTML5, CSS3, Toad, Maven, Hudson, NodeJS, TcpMon, Sun Jersey, Junit 4.1, JIRA, Rally, Freemarker, Apache POI, Quartz Scheduler, Drools BRMS, JPA Selenium, GIT.

**SIMPLE FINANCE, BLOOMINGTON, MN NOV 2016 - MAY 2018**

**Sr. Java Developer**

#### **Responsibilities**

* Involved in various phases of Software Development Life Cycle (SDLC) as requirement gathering, analysis, design documentation, development, test cases, implementing and production support of the application.
* Implemented REST web service in Scala using Akka for CBPMAN log tracking application
* Converted a Monolithic app to microservices architecture using Spring Boot using 12-factor app methodology. Developed, Scaled, Configured, wrote manifest file for Various Microservices in PCF.
* Implemented DAO’s entities using Hibernate API and Hibernate QL.
* Implemented all the components following test-driven development methodology using Junit.
* Worked closely with the Business Analyst and designed the rules and reevaluate the rule flow in Rule Governance team.
* Secured the REST services using Spring Security and OAUTH framework and created documented REST services using Swagger and Jersey.
* Deploy and manage applications on JBOSS/Tomcat J2EE server. Managed the codebase using GIT
* Followed AGILE Methodology to promote iterations, collaboration, and process adaptability and participated in SCRUM Meetings throughout the life cycle of project.
* Developed the Product Builder UI screens using Angular-JS, Node JS, HTML5, CSS, JavaScript and Bootstrap
* Developed embedded C software for UNIX operating system.
* Involved in implementation of Adobe AEM and Marketing Cloud Solution like Target, Analytics using DTM (Dynamic Tag Management).
* Designed and developed RestFul Web Services tier using spring, JBPM.
* Worked on AngularJS controllers, views, and services for new website features.
* Used ActiveMQ to transfer .txt files between the Consumer and Producer
* Developed user interface using JSP with JavaBeans, JSTL and Custom Tag Libraries, JS, CSS, JQuery, Node.js, Redux, HTML, SASS and Ajax to speed the application.
* Developed code in Java which creates mapping in Elastic Search even before data is indexed into.
* Automate infrastructure in AWS utilizing amazon web services (AWS). Deploy puppet to completely provision and manage AWS EC2 instances, volumes.
* Used Hibernate 3.0 in data access layer to access, update and insert information in the database.
* Used Java API for XML Web Services (JAX-WS) to convert Java Objects to XML conversions.
* Responsible for the creation of Informatica services including Repository Service, Integration Service
* Implemented various design patterns in the project such as DAO, Business Delegate, View Helper, Data Transfer Object (DTO), Session Façade, Singleton and Model View Controller.
* Used Maven build scripts to build the application and deploy on Web Sphere application server v6.5.
* Worked on React JS Virtual Dom and React views, rendering using components which contains additional components called custom HTML tags.
* Performed QA testing in on the front-end of the development cycle for gains in code quality, software functionality and programmer productivity.
* Managing analytical tag migration program from legacy system to new tag management system using Adobe DTM.
* Used Jasmine and Karma for unit testing for Angular JS applications.
* Developed user interface by using the React JS, Flux for SPA development.
* Creating modules, generators, promises using es6.
* Used Perforce Visual Client for updating the view and used Serena Business Manager for bug tracking in test and production environment.
* Prepared the High Level and Low Level, UI standard, Code Review, Architectural Review and Project Approval Documents.
* Maven is used as a build tool and continuous integration is done using Jenkins.

#### **Environment:** JDK 1.6, Java EE, Spring IO, Spring Boot, Spring MVC, Hibernate ORM 4.3.5, Log4j2, LoScala, ActiveMQ, SASS, Jasmine, Karma, ReactJS, Flux, Eclipse 3.6,Agile, Spring FW 3.1.0, Cache Abstraction, RESTWebServices, tomcat 6 , Oracle 11g, Drools, JPA, Maven, JUnit, Log4j, HTML5, CSS3,javaScript, JSP, XML, JAXB, Unix, Jenkins, Maven, AngularJS.

**AMERICAN FAMILY INSURANCE, MADISON, WI JAN 2014 – OCT 2016**

**Java J2EE Developer**

#### **RESPONSIBILITIES**

* Used the light weight container of the SpringMVC Frame work to provide architectural flexibility for inversion of controller (IOC).
* Involved in the complete Software Development Life Cycle (SDLC) phases such as Requirement Analysis, Design and Implementation of the project.
* Used Spring Framework for dependency injection.
* Implemented and deployed several EJB (Session and Entity).
* The front end of the project is designed on MVC architecture using struts, Tiles frameworks.
* Involved in Configuring tiles-def.xml, web.xml and struts-config.xml according to the strut framework.
* Used LOG4J for error logging at the development box and used ANT for building the deployable EAR/WAR components.
* Used WebSphere Application Server for deploying various components of application.
* EJB’s were running under the hood of WebSphere container/server.
* Implemented Back office loan services and web applications using Session Façade, Service Locator, Data Access Objects, Business Delegate, MVC, Front Controller and Data Transfer Object design patterns.
* Created DB2 SQL Procedures, Functions & Stored Procedures, Nested Tables, Cursors, DB2 Packages, Reports &SQL Functions for Reports.
* Developed the application using RAD model.
* Worked with VSS Version control in order to create virtual library of computer files.

#### **Environment:** Java1.5, JSP2.0, Servlets2.4, EJB2.0, Struts1.2, Spring 2.0.3, JDBC3.0, Design patterns, Html, XML, CSS, Log4j, Ant, Web services, RAD6.0, IBM WebSphere server6.1, IBM DB29.0, VSS.

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‘Thank you’